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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Douglas B. Fisher *et al.*

Serial No. : 10/574,767

Group Art Unit:

Filing Date : October 12, 2004

Examiner:

Title : **A METHOD OF CHARACTERIZING A  
DISPERSION USING TRANSFORMATION  
TECHNIQUES**

Entity Status : Large Entity

Our Docket : RR-613 PCT/US

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**CERTIFICATE UNDER 37 CFR 1.8 (a)**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on July 11, 2006

  
Attorney For Applicant

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

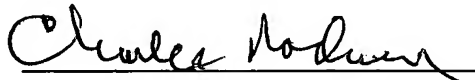
Pursuant to 37 CFR 1.56, enclosed is a completed Form PTO-1449 listing the U.S. and foreign patent documents and non-patent literature documents cited by Applicant. Copies of the foreign patent and non-patent literature documents are enclosed.

Applicant respectfully requests the Examiner to consider all documents listed in the Information Disclosure Statement in the examination of this application.

Since a first Office Action on this patent application has not yet been received, Applicant believes that no fee is chargeable for the filing of this Information Disclosure Statement.

However, should any fee be necessary in connection with the filing of this Information Disclosure Statement, please debit our Deposit Account No. 18-1743.

Respectfully submitted,

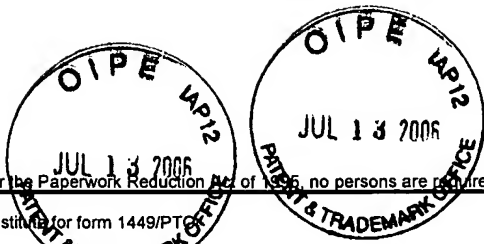
  
Charles B. Rodman, Reg. No. 26,798  
Attorney for Applicant

Dated: July 11, 2006

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1047-31 IDS Transmittal



PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substituted for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of

4

**Complete if Known**

Application Number	10/574,767
Filing Date	October 12, 2004
First Named Inventor	Douglas B. Fisher et. al.
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	RR-613 PCT/US

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 4,743,339	05-10-1988	Faix et. al.	
		US- 4,843,247	06-27-1989	Yamazoe et. al.	
		US- 4,940,900	07-10-1990	Lambert	
		US- 5,546,792	08-20-1996	Becker	
		US- 5,719,665	02-17-1998	Yamazoe	
		US- 5,831,721	11-03-1998	Alkafeef	
		US- 5,959,194	09-28-1999	Nenniger	
		US- 2002/0081742	06-27-2002	Mirochnik et. al.	
		US- 2002/0105645	08-08-2002	Eriksson	
		US- 2002/0139929	10-03-2002	Mullins et. al.	
		US- 2002/0140925	10-03-2002	Mougin	
		US- 2003/0154036	08-14-2003	Gysling et. al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 87/01456	03-12-1987	Marathon Oil		
		WO 92/17767	10-15-1992	Jalkanen		
		WO 97/14953	04-24-1997	Shell International Research		
		WO 99/51963	10-14-1999	Norsk Hydro ASA		
		WO 00/46586	08-10-2000	Jorin Limited		
		WO 01/40771	06-07-2001	APS Technology, Inc. et. al.		

Examiner  
SignatureDate  
Considered

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet 2

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**Complete if Known**

Application Number	10/574.767
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Filing Date	October 12, 2004
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First Named Inventor	Douglas B. Fisher et. al.
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Art Unit	Unknown
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Examiner Name	Unknown
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Attorney Docket Number	RR-613 PCT/US
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## U. S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup> (if known)	MM-DD-YYYY			
		EP 727671	08-21-1996	AT&T Corp.		
		DE 19744246	04-29-1999	Suhr		
		GB 2 364 364	01-23-2002	Institut Francais du Petrole		
		CA 2,254,376	05-25-1999	Hitachi, Ltd.		
		CA 2,337,888	02-17-2000	Exxon Research		
		CA 2,443,098	10-24-2002	Cargill, Inc.		

**Examiner  
Signature**

Date  
Considered

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	3
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of 4

**Complete if Known**

Application Number	10/574,767
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Filing Date	October 12, 2004
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First Named Inventor	Douglas B. Fisher et. al.
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Art Unit	Unknown
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Examiner Name	Unknown
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Attorney Docket Number	RR-613 PCT/US
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[illegible][illegible]

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/574,767
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		Art Unit	Unknown
		Examiner Name	Unknown
Sheet 4	of 4	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		T. Theophanides (ed.), Fourier Transform Infrared Spectroscopy, Reidel Publishing, Boston, 1984, pp 56-64, 125-135, 159-166	
		Jamaluddin, A.K.M. et. al., "A Comparison of Various Laboratory Techniques...", Society of Petroleum Engineers, SPE Paper No. 72154, 2001	
		A. Turta et. al., "Variation of Oil-Solvent...", Special Edition of the Journal of Canadian Petroleum Technology 38, No. 13 Paper: 97-81, 1999	
		Jamaluddin, A.K.M. et. al., "Laboratory Techniques to Measure Thermo...", JCPT, July 2002, Vol. 41	
		Takabayashi, Katsumo et. al., Japan Oil, Gas and Metals National Corp., "Interfacial Tension Measurement between Oil and Gas Phases under High Temperature...", undated, 11 pp.	
		D. B. Fisher et. al., "Use of Magnetic Resonance Imaging and Advanced Image Analysis...", Society of Petroleum Engineers, SPE Paper No. 59330, 2000	
		Brust, Gregory, "Nuclear Magnetic Resonance Spectroscopy," downloaded from www.psrc.usm.edu/magrog/nmr.htm, 8/15/03, 3 pp.	
		Hornak, J.P. copyright 1997-99, The Basics of NMR, downloaded from www.cis.rit.edu/htbooks/nmr, 8/15/03, 66 pp.	

Examiner Signature	Date Considered
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